PRIOR ART

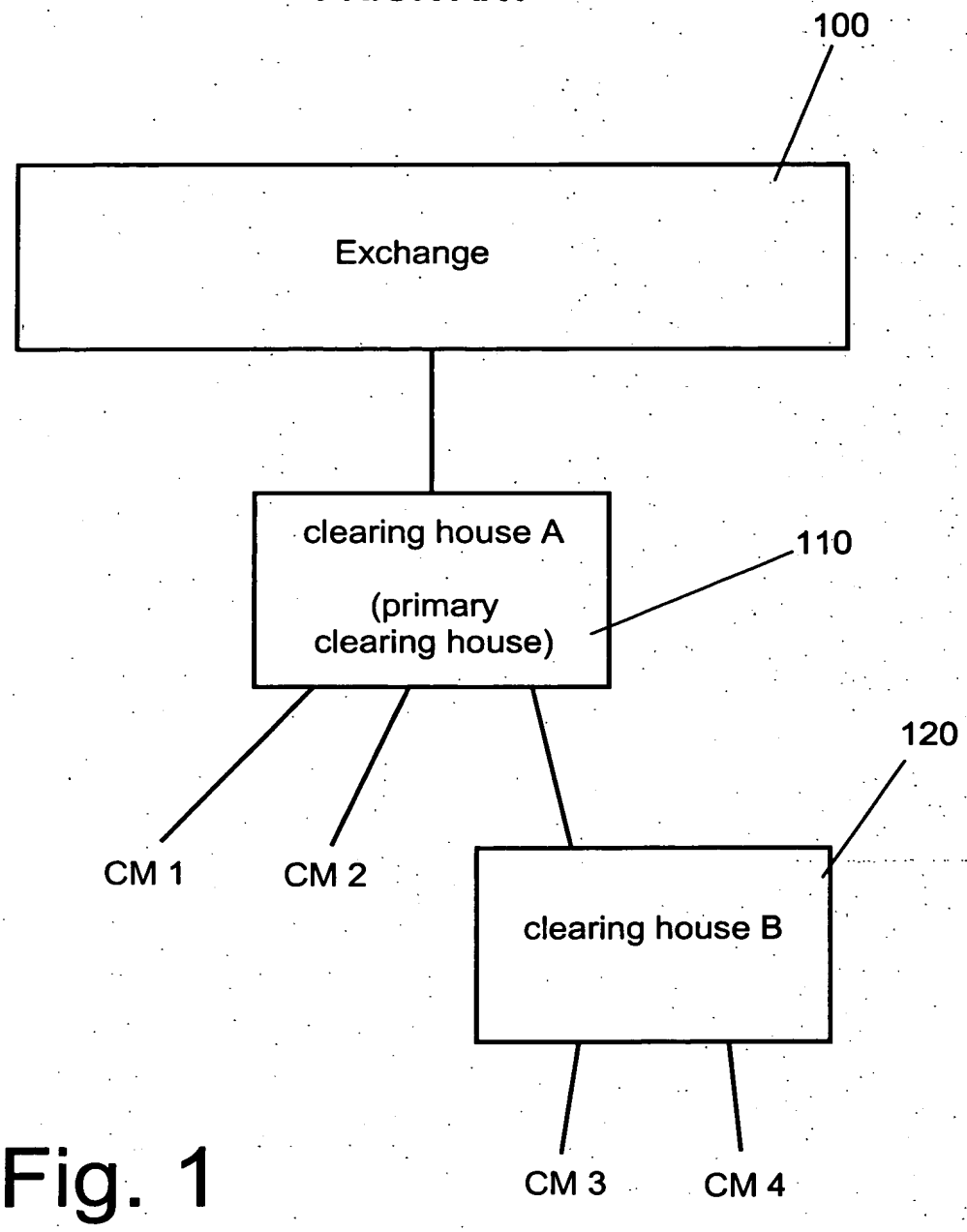


Fig. 1

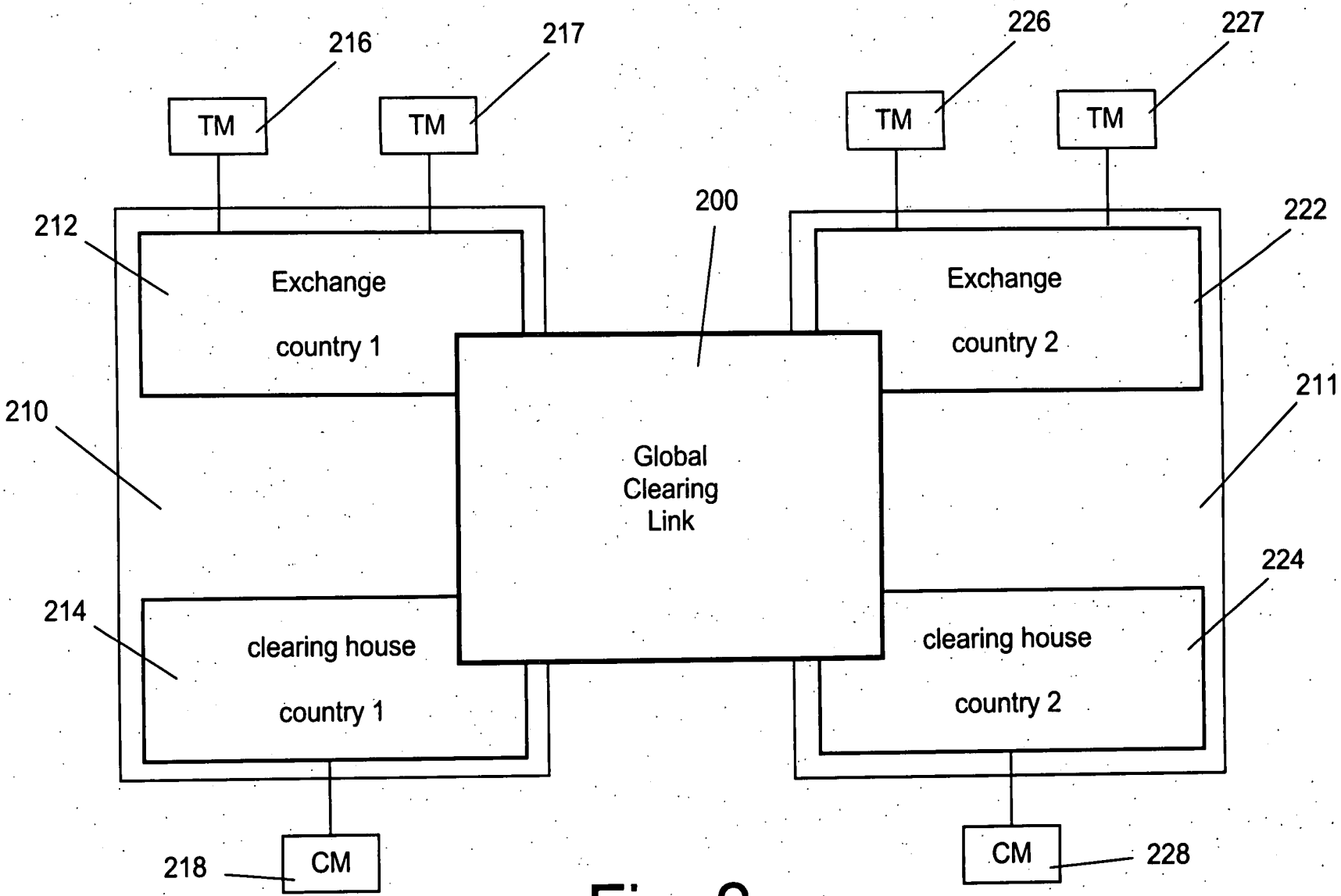

216
217
226
227
TM
TM
TM
TM
212
200
222
Exchange
country 1
Exchange
country 2
210
211
Global
Clearing
Link
214
224
clearing house
country 1
clearing house
country 2
218
CM
CM
228

Fig. 2

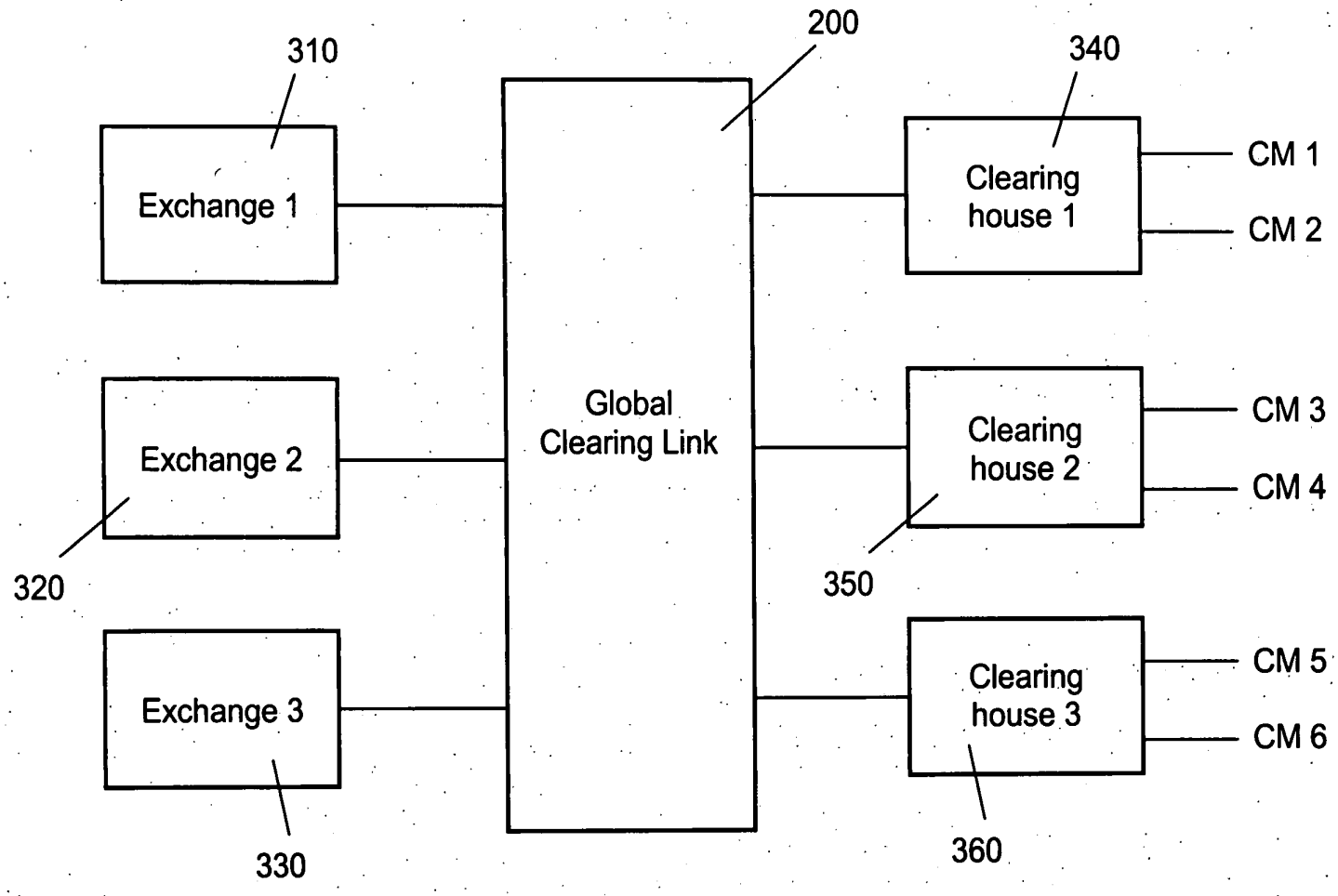

200
310
340
Exchange 1
Clearing house 1
CM 1
CM 2
Exchange 2
Global Clearing Link
Clearing house 2
CM 3
CM 4
320
350
Exchange 3
Clearing house 3
CM 5
CM 6
330
360

Fig. 3

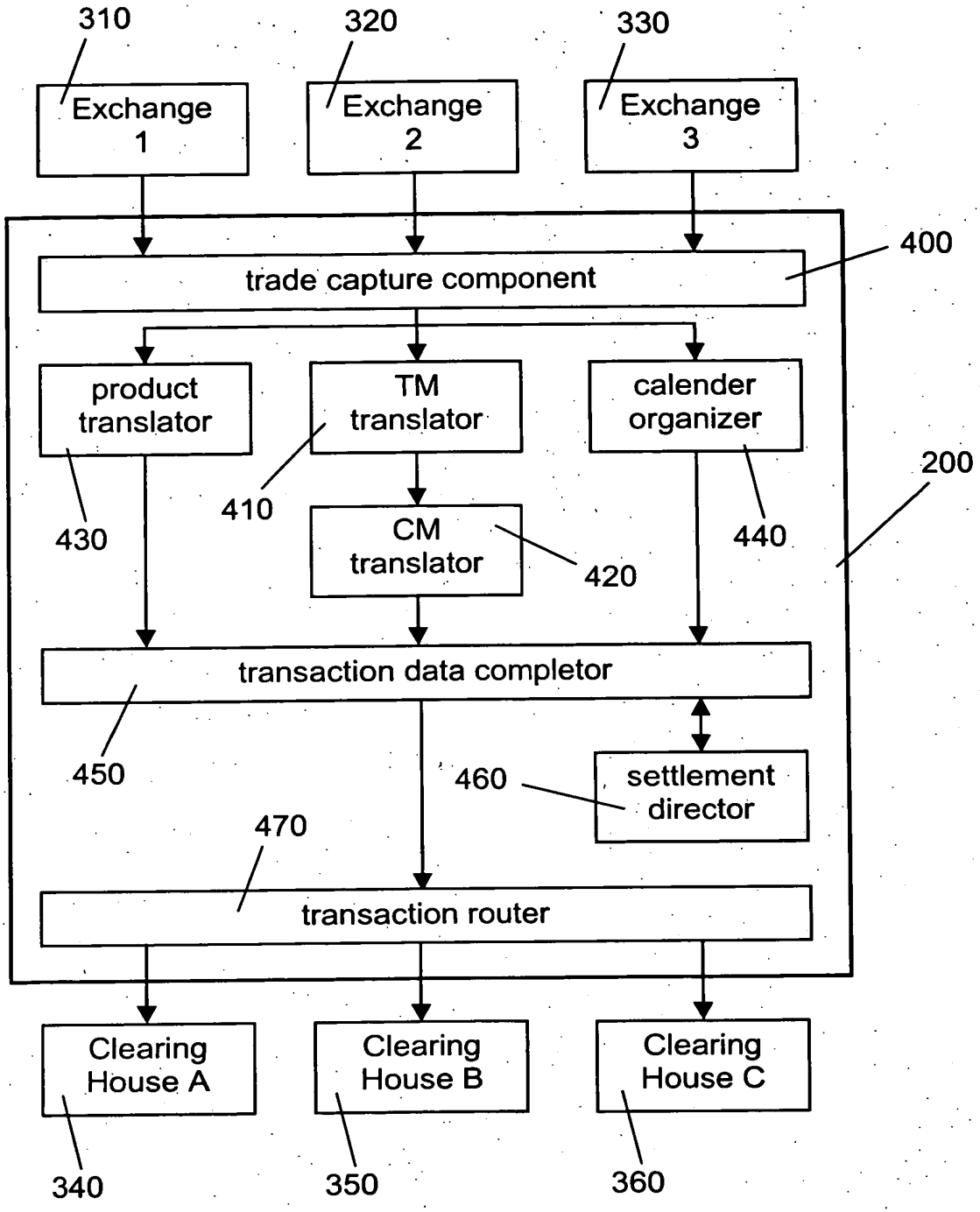

310
320
330
Exchange 1
Exchange 2
Exchange 3
400
trade capture component
product translator
TM translator
calender organizer
200
410
430
440
CM translator
420
transaction data completor
450
460
settlement director
470
transaction router
Clearing House A
Clearing House B
Clearing House C
340
350
360

Fig. 4

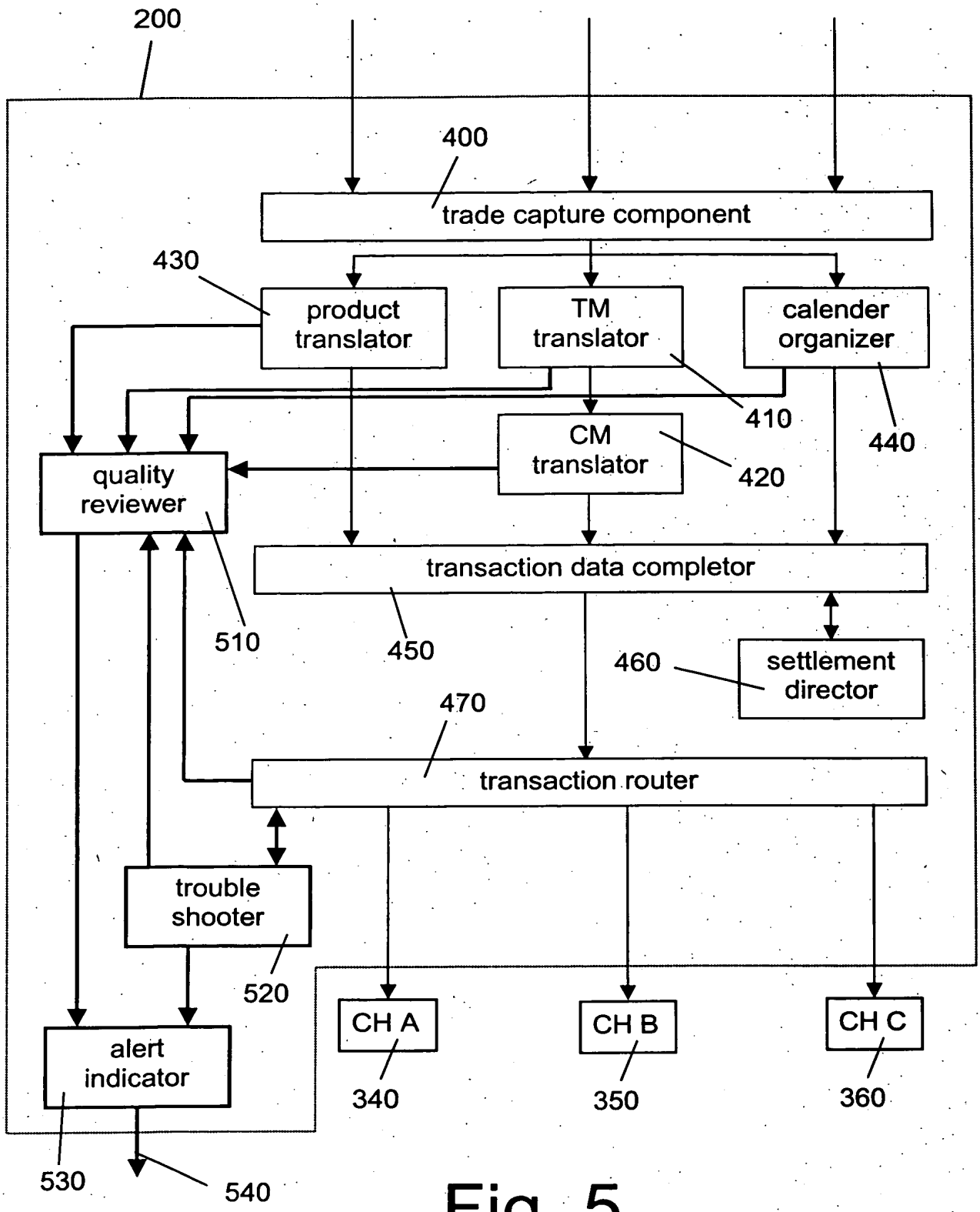

200
400
trade capture component
430
product translator
TM translator
calender organizer
410
440
CM translator
420
quality reviewer
510
transaction data completor
450
460
settlement director
470
transaction router
trouble shooter
520
CH A
CH B
CH C
340
350
360
alert indicator
530
540

Fig. 5

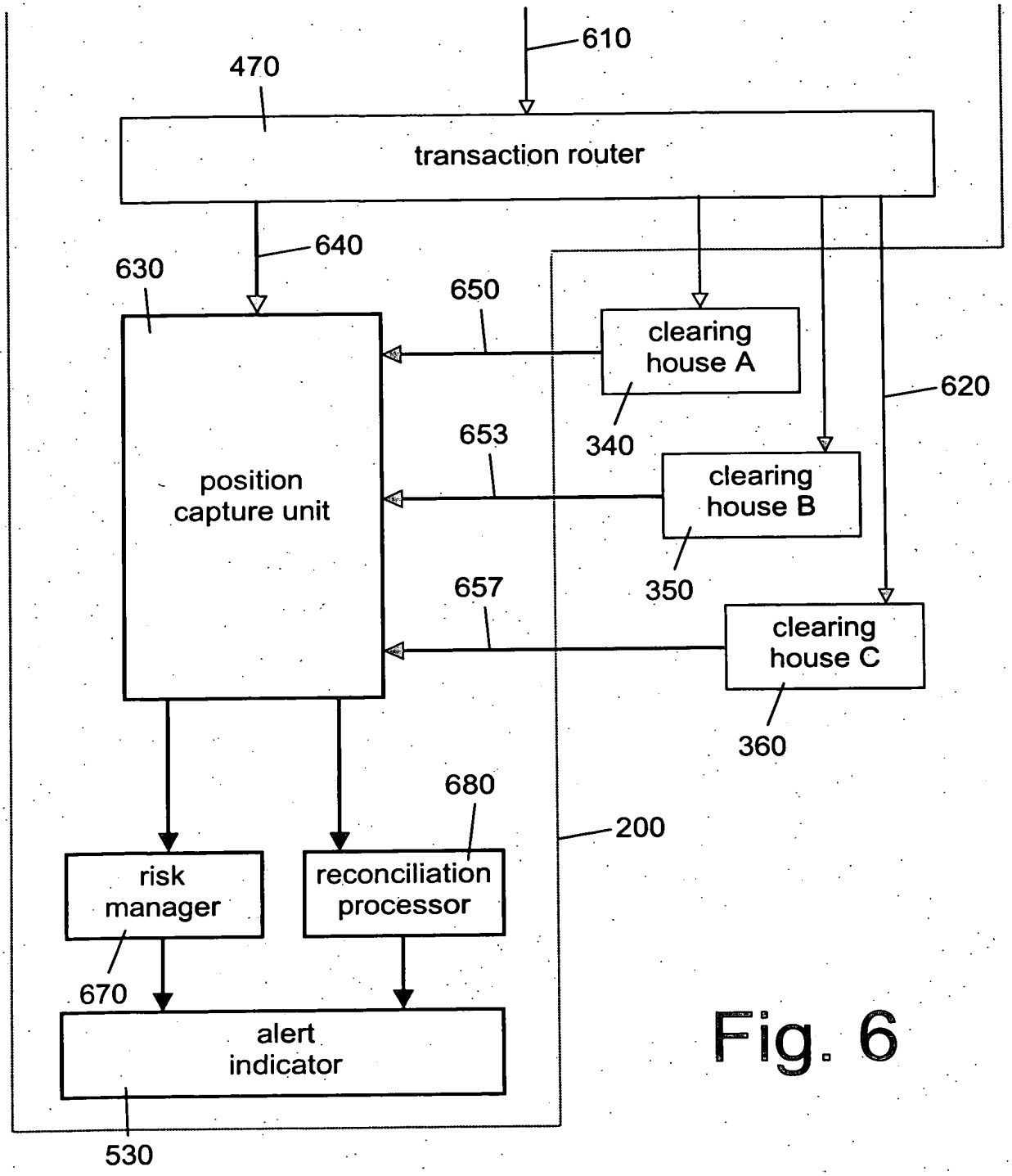

610
470
transaction router
640
630
650
clearing house A
620
340
653
position capture unit
clearing house B
350
657
clearing house C
360
680
200
risk manager
reconciliation processor
670
alert indicator
530

Fig. 6

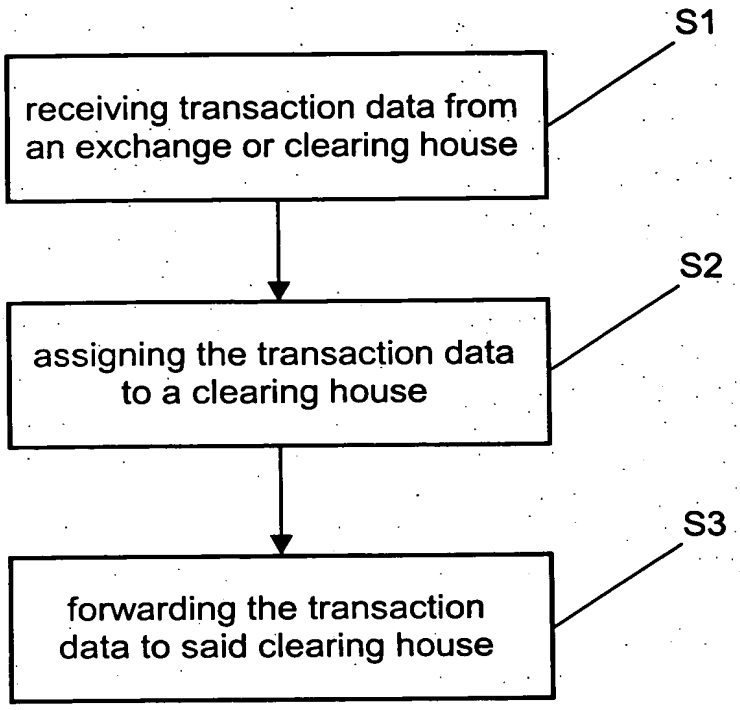

S1
receiving transaction data from an exchange or clearing house
S2
assigning the transaction data to a clearing house
S3
forwarding the transaction data to said clearing house

Fig. 7

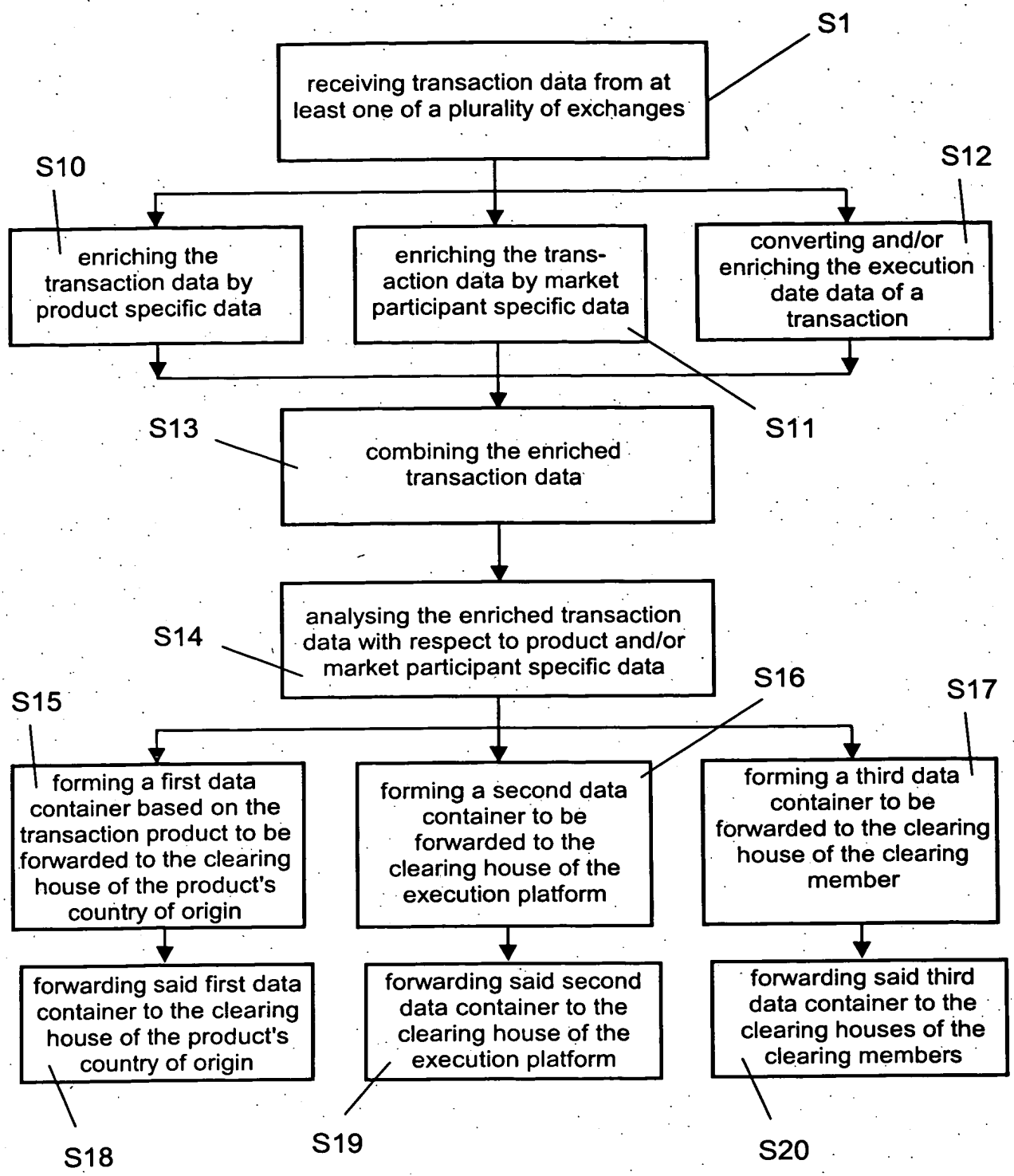

S1
receiving transaction data from at least one of a plurality of exchanges
S10
S12
enriching the transaction data by product specific data
enriching the trans-action data by market participant specific data
converting and/or enriching the execution date data of a transaction
S11
S13
combining the enriched transaction data
S14
analysing the enriched transaction data with respect to product and/or market participant specific data
S15
S16
S17
forming a first data container based on the transaction product to be forwarded to the clearing house of the product's country of origin
forming a second data container to be forwarded to the clearing house of the execution platform
forming a third data container to be forwarded to the clearing house of the clearing member
forwarding said first data container to the clearing house of the product's country of origin
forwarding said second data container to the clearing house of the execution platform
forwarding said third data container to the clearing houses of the clearing members
S18
S19
S20

Fig. 8

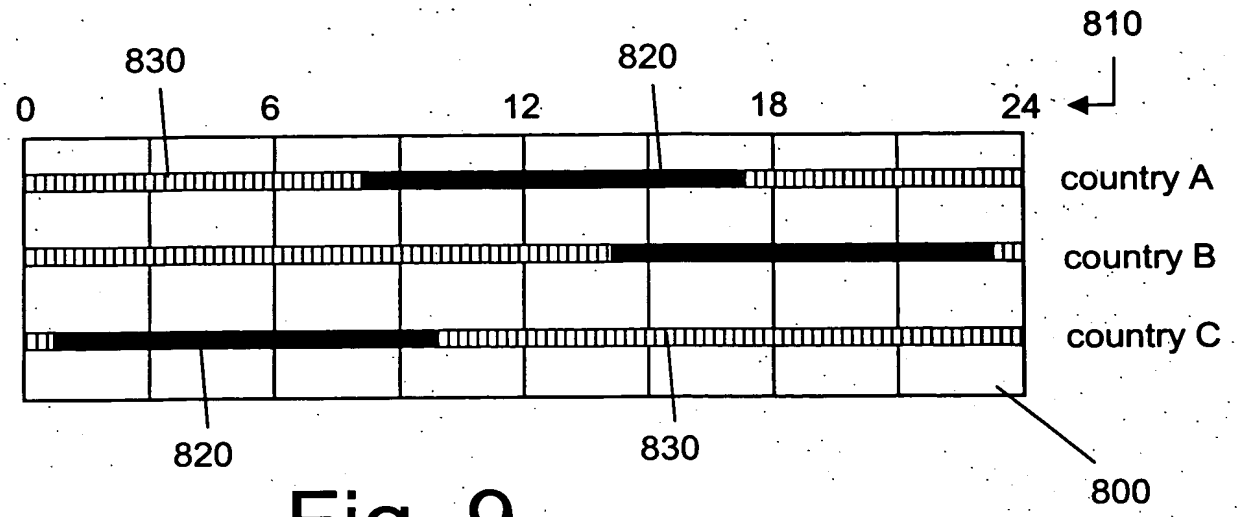

810
830
820
0
6
12
18
24
country A
country B
country C
820
830
800

Fig. 9

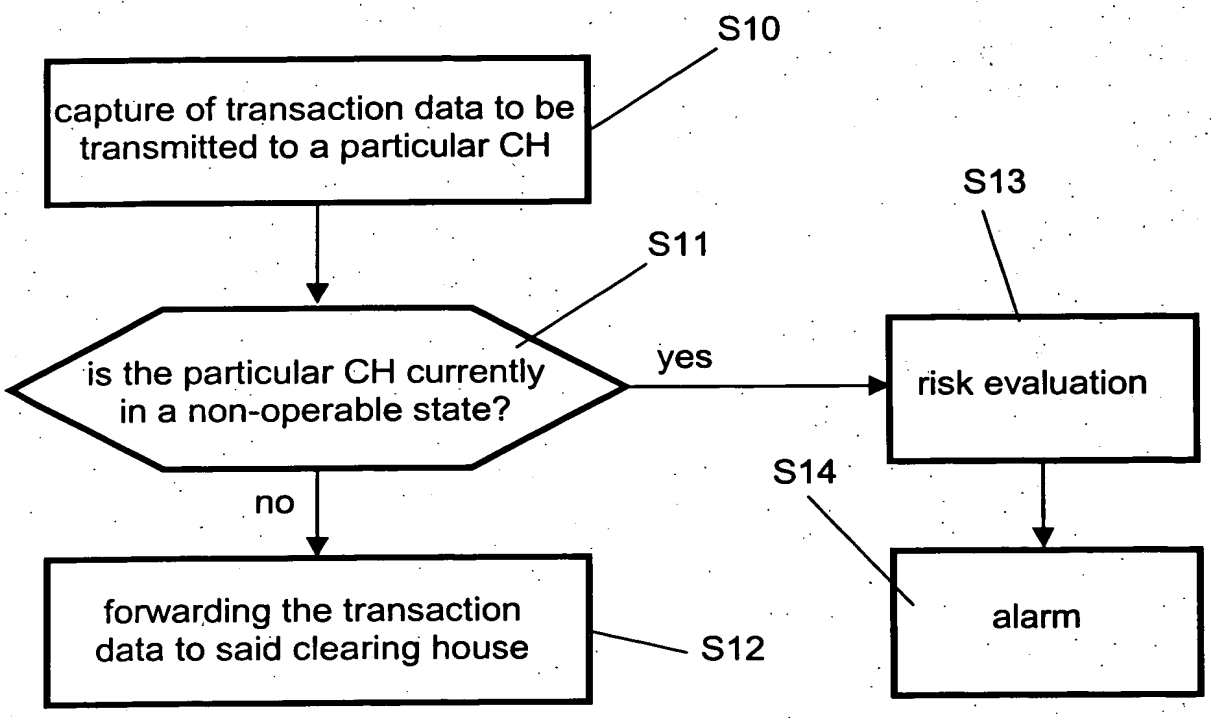

S10
capture of transaction data to be transmitted to a particular CH
S11
is the particular CH currently in a non-operable state?
yes
S13
risk evaluation
S14
alarm
no
forwarding the transaction data to said clearing house
S12

Fig. 10

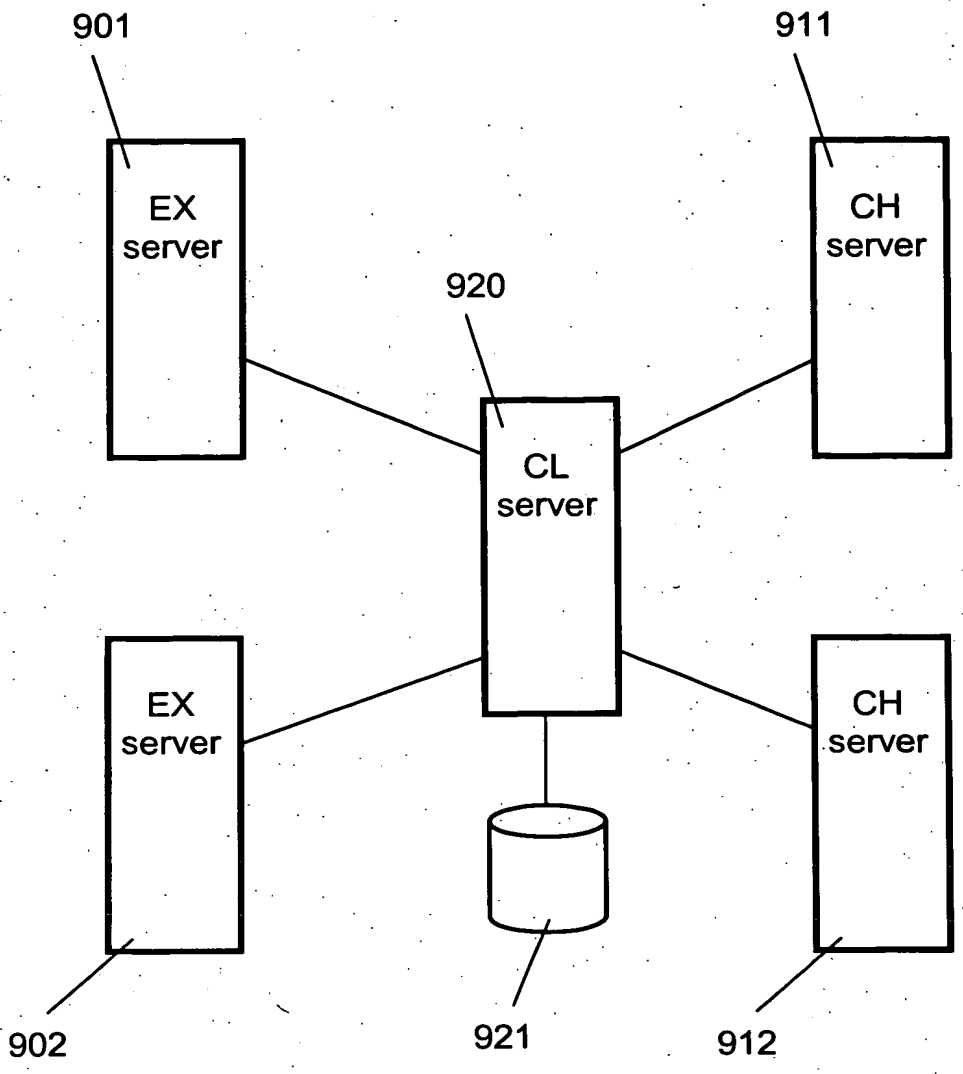

901
911
EX server
CH server
920
CL server
EX server
CH server
902
921
912

Fig. 11

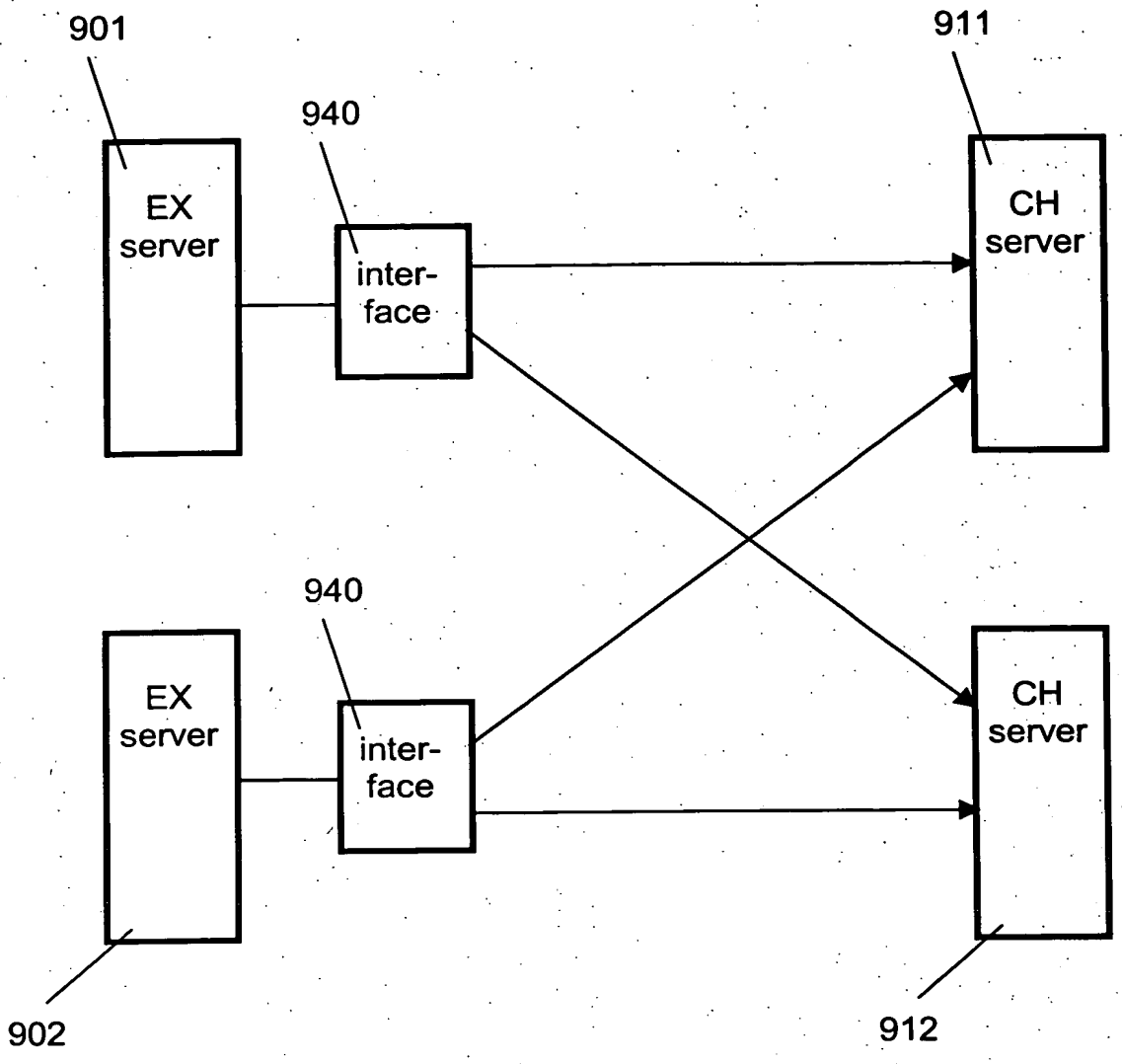

901
911
940
EX server
inter-face
CH server
940
EX server
inter-face
CH server
902
912

Fig. 12

Overview on Common Account Structure

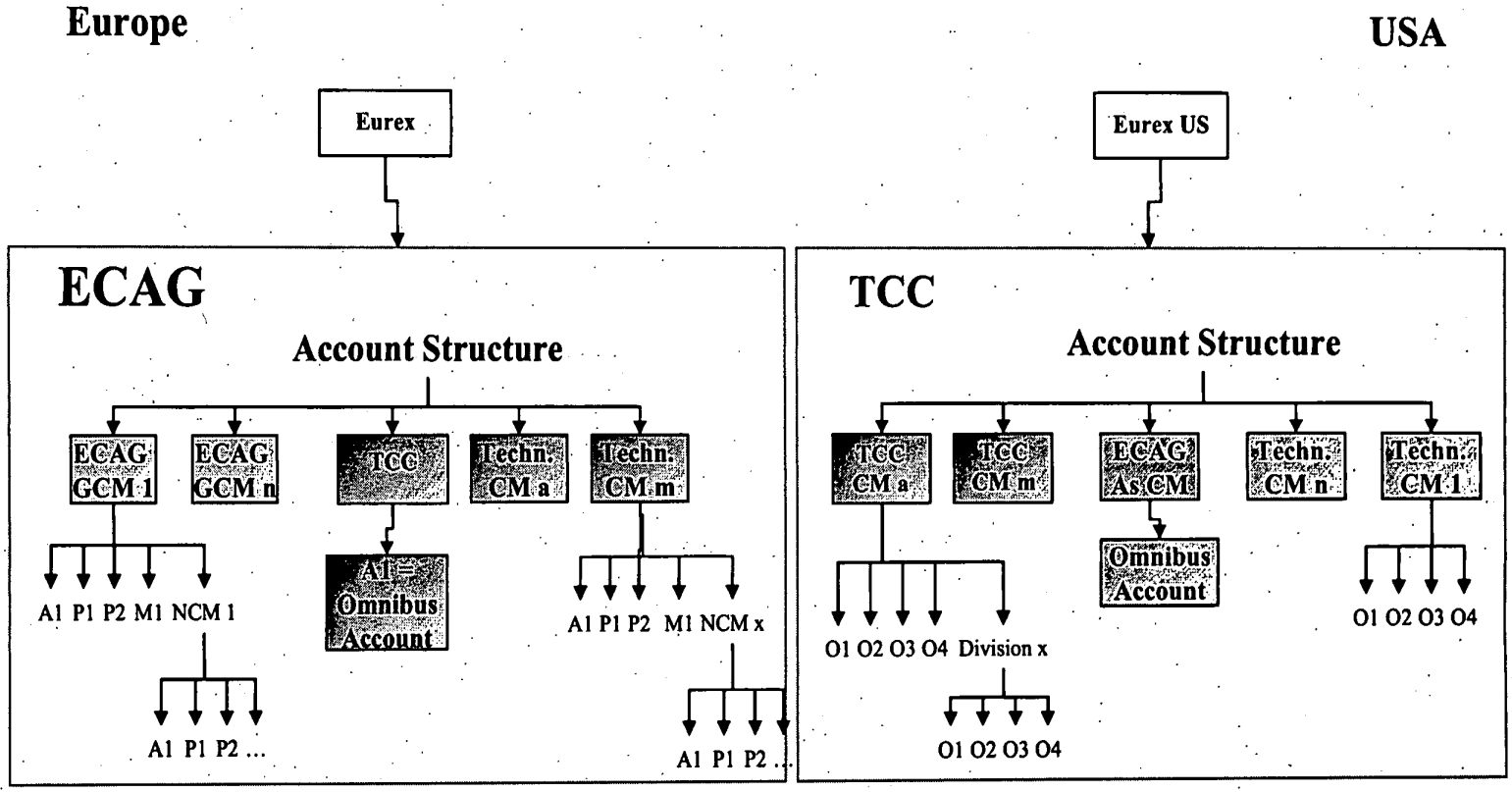


Fig. 13

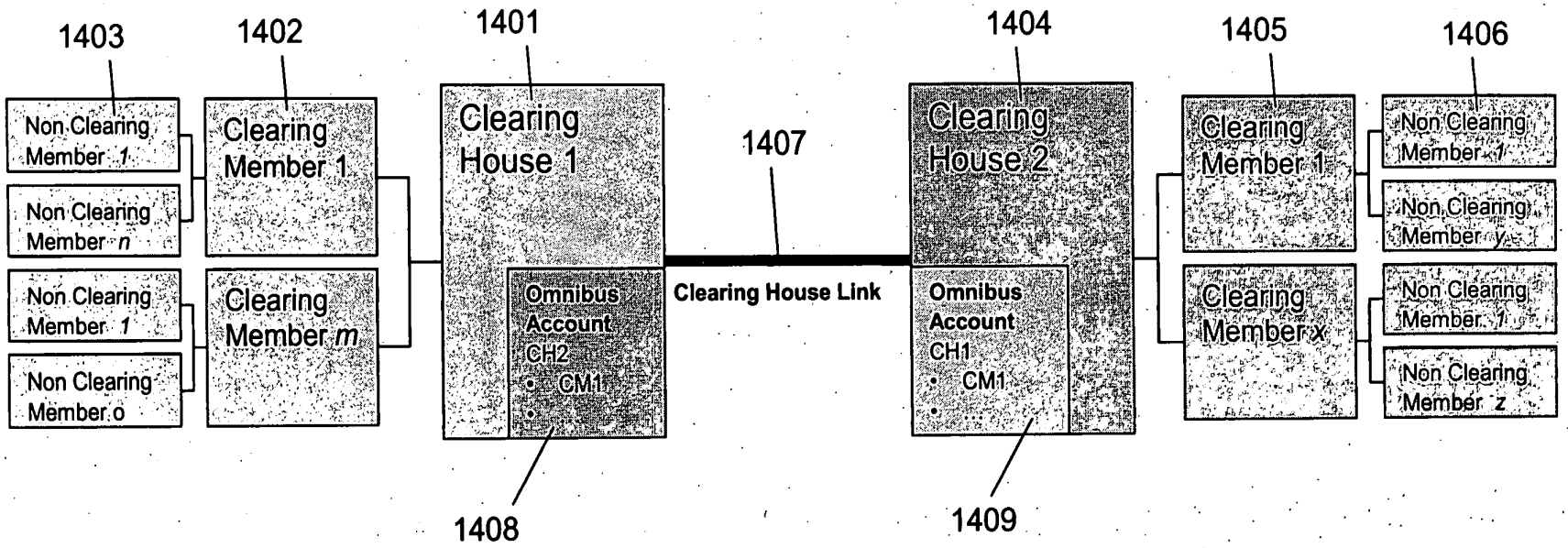
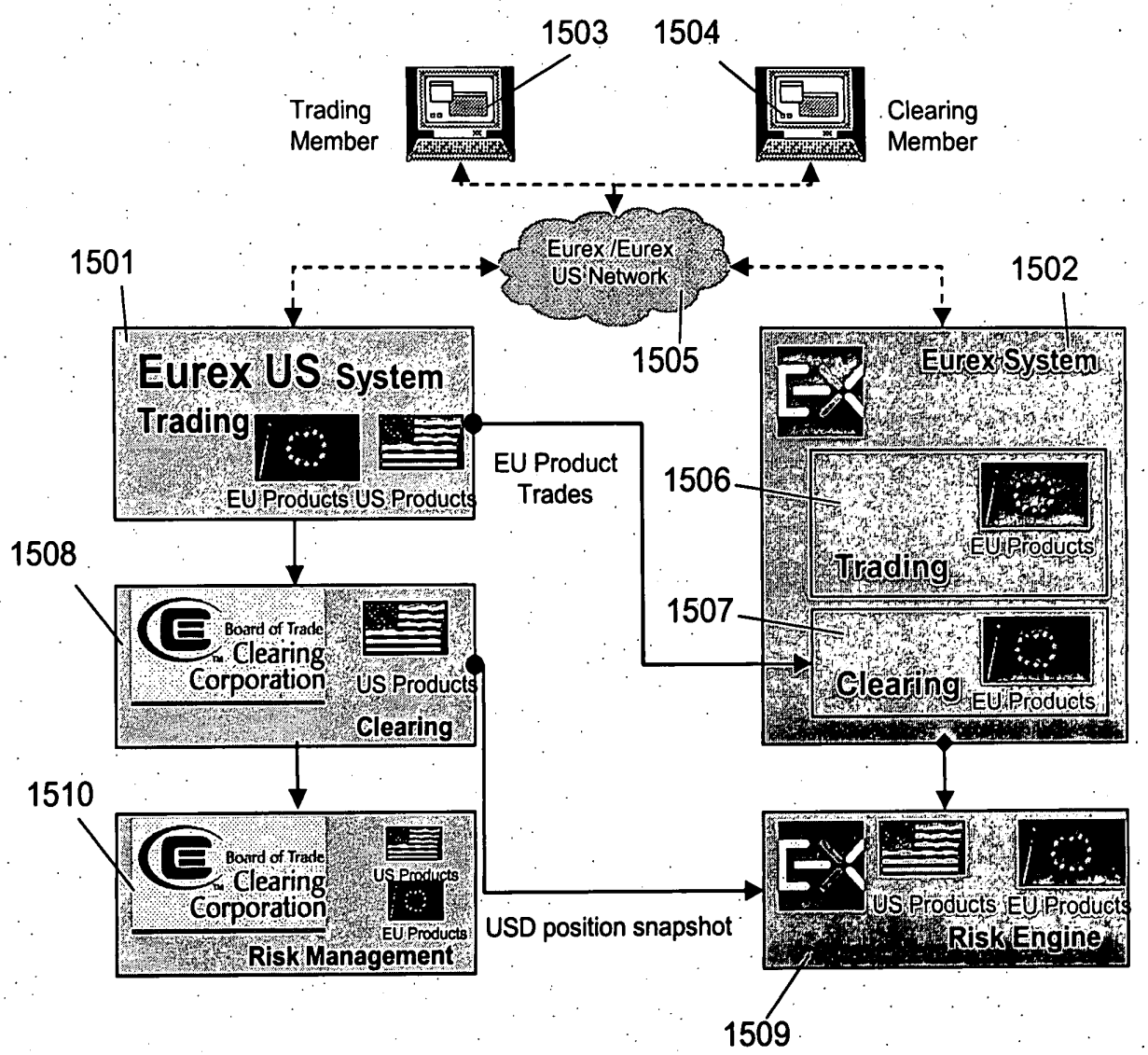

1403
1402
1401
1404
1405
1406
Non Clearing Member 1
Non Clearing Member n
Non Clearing Member 1
Non Clearing Member o
Clearing Member 1
Clearing Member m
Clearing House 1
Omnibus Account
CH2
• CM1
•
1407
Clearing House Link
Clearing House 2
Omnibus Account
CH1
• CM1
•
Clearing Member 1
Clearing Member x
Non Clearing Member 1
Non Clearing Member y
Non Clearing Member 1
Non Clearing Member z
1408
1409

Fig. 14

Fig. 15


1503
1504
Trading Member
Clearing Member
Eurex /Eurex US Network
1505
1501
1502
Eurex US System Trading
EU Products US Products
EU Product Trades
Eurex System
1506
EU Products
Trading
1507
Clearing
EU Products
1508
Board of Trade Clearing Corporation
US Products
Clearing
1510
Board of Trade Clearing Corporation
US Products
EU Products
Risk Management
USD position snapshot
US Products EU Products
Risk Engine
1509